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**IN THE**  
**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**Art Unit 2877**

**Inventor: Mark P. Davidson**  
**Attorney Docket: Davidson D1**  
**Serial Number: 10/647,742**  
**Filed: August 25, 2003**  
**Title: Interference Scatterometer**

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THE COMMISSIONER OF PATENT AND TRADEMARKS  
WASHINGTON D.D. 20231

**RESPONSE TO OFFICE ACTION and**  
**STATEMENT UNDER 37 CFR 1.97(e)**

This document is responsive to an Office Action dated 11/09/2004.

**Amendments:**

1. Please replace the title with the new title:

**Interferometric Back Focal Plane Scatterometry with Koehler Illumination.**

2. Please replace "Mireau" with ----Mirau--- at every occurrence. Specifically, at:  
Page 3, line 36;  
Page 5, line 14;  
Page 5, line 18;

IFW

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22213-1450, on 12/30/2004.

By: Michael L. Sherrard 12/29/2004  
Michael L. Sherrard Date  
Reg. No. 28,041